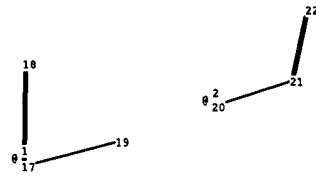
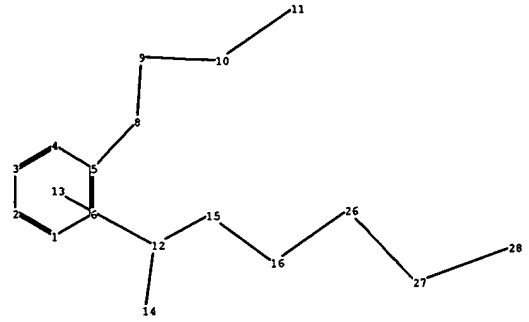


The diagram shows a chemical structure of a dendronized polymer. The central core is a cyclohexane ring. One carbon atom on the ring is substituted with a dendronized side chain: a methylene group (-CH₂-) labeled G₁ is connected to a carbonyl group (-C=O), which is further connected to an amide group (-NH-Ak), where Ak represents an alkyl chain and N is a terminal nitrogen atom. Another carbon atom on the ring is substituted with a different dendronized side chain: a methylene group (-CH₂-) is connected to a nitrogen atom (N), which is then connected to a methylene group (-CH₂-). This methylene group is connected to a carbonyl group (-C=O) labeled G₂, which is further connected to an amide group (-NH-Ak), where Ak represents an alkyl chain and N is a terminal nitrogen atom. The structure is drawn with standard chemical notation, including bonds for the cyclohexane ring and the various functional groups.

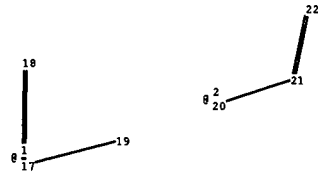











[illegible]









* * * * * Welcome to STN International * * * * *

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>		"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	JAN 17	Pre-1988 INPI data added to MARPAT
<u>NEWS 4</u>	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
<u>NEWS 5</u>	FEB 22	The IPC thesaurus added to additional patent databases on STN
<u>NEWS 6</u>	FEB 22	Updates in EPFULL; IPC 8 enhancements added
<u>NEWS 7</u>	FEB 27	New STN AnaVist pricing effective March 1, 2006
<u>NEWS 8</u>	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
<u>NEWS 9</u>	MAR 22	EMBASE is now updated on a daily basis
<u>NEWS 10</u>	APR 03	New IPC 8 fields and IPC thesaurus added to PATDPAFULL
<u>NEWS 11</u>	APR 03	Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
<u>NEWS 12</u>	APR 04	STN AnaVist \$500 visualization usage credit offered
<u>NEWS 13</u>	APR 12	LINSPEC, learning database for INSPEC, reloaded and enhanced
<u>NEWS 14</u>	APR 12	Improved structure highlighting in FQHIT and QHIT display in MARPAT
<u>NEWS 15</u>	APR 12	Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected
<u>NEWS 16</u>	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
<u>NEWS 17</u>	MAY 11	KOREAPAT updates resume
<u>NEWS EXPRESS</u>		FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/
<u>NEWS HOURS</u>		STN Operating Hours Plus Help Desk Availability
<u>NEWS LOGIN</u>		Welcome Banner and News Items
<u>NEWS IPC8</u>		For general information regarding STN implementation of IPC 8
<u>NEWS X25</u>		X.25 communication option no longer available after June 2006

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * *

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:27:56 ON 17 MAY 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 15:28:01 ON 17 MAY 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0

DICTIONARY FILE UPDATES: 16 MAY 2006 HIGHEST RN 884586-69-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

 *
 * The CA roles and document type information have been removed from *
 * the IDE default display format and the ED field has been added, *
 * effective March 20, 2005. A new display format, IDERL, is now *
 * available and contains the CA role and document type information. *
 *

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading structure

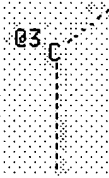
L1 STRUCTURE UPLOADED

=> d 11

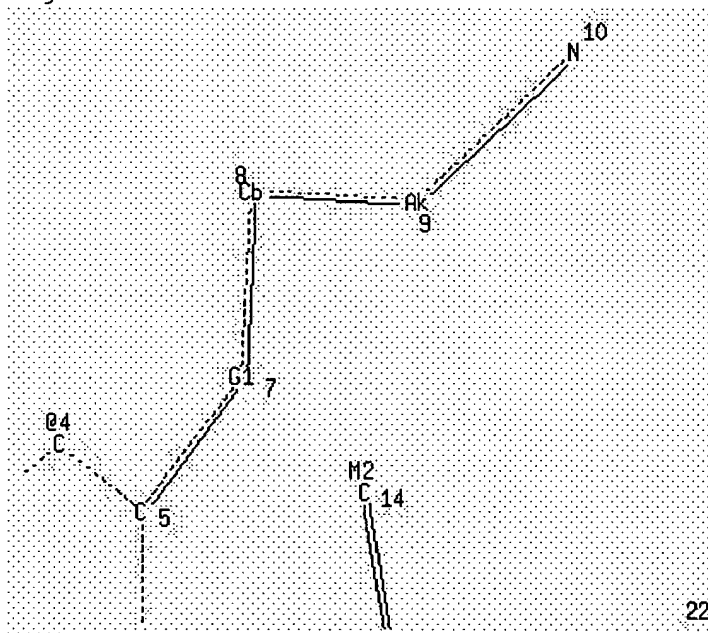
L1 HAS NO ANSWERS

L1 STR

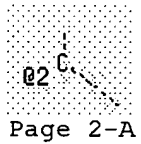
0 25 5 26



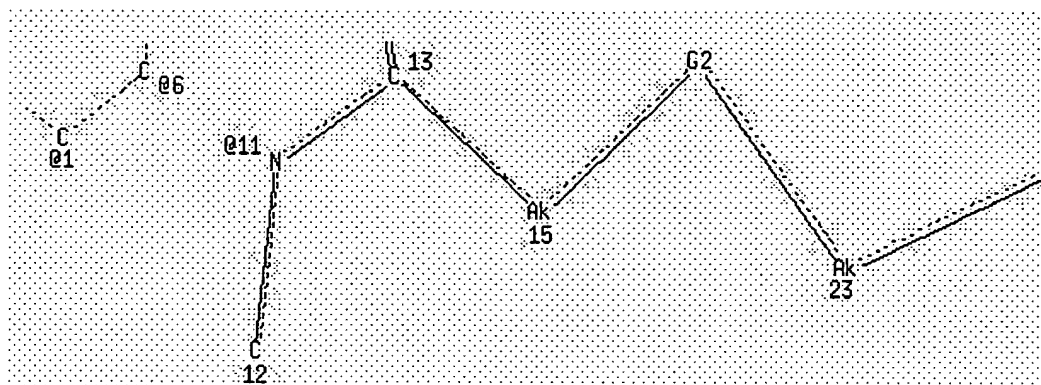
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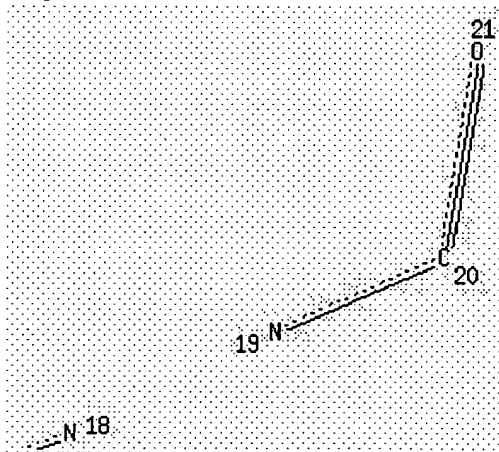
Page 2-B



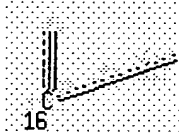
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Page 3-B



Page 4-A



Page 4-B

VAR G1=25/26
 VAR G2=16-15 16-23/19-15 19-23
 VPA 11-1/2/3/4/6 S
 NODE ATTRIBUTES:
 HCOUNT IS M2 AT 14
 NSPEC IS R AT 1
 NSPEC IS R AT 2
 NSPEC IS R AT 3


```

NSPEC  IS R      AT   4
NSPEC  IS R      AT   5
NSPEC  IS R      AT   6
NSPEC  IS C      AT   7
NSPEC  IS C      AT   8
NSPEC  IS C      AT   9
NSPEC  IS RC     AT  10
NSPEC  IS C      AT  11
NSPEC  IS RC     AT  12
NSPEC  IS C      AT  13
NSPEC  IS C      AT  14
NSPEC  IS C      AT  15
NSPEC  IS C      AT  16
NSPEC  IS C      AT  17
NSPEC  IS C      AT  18
NSPEC  IS C      AT  19
NSPEC  IS C      AT  20
NSPEC  IS C      AT  21
NSPEC  IS C      AT  22
NSPEC  IS C      AT  23
NSPEC  IS C      AT  24
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT   9 10 11 12 13 14 15 16 17 18 19 20 21 23 25 26
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

=> s 1.1

SAMPLE SEARCH INITIATED 15:33:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6169 TO ITERATE

```

32.4% PROCESSED      2000 ITERATIONS                      0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 118671 TO 128089

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 1.1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 166.50 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 15:33:35 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 122511 TO ITERATE

```

100.0% PROCESSED 122511 ITERATIONS                      0 ANSWERS
SEARCH TIME: 00.00.05

```

L3 0 SEA SSS FUL L1

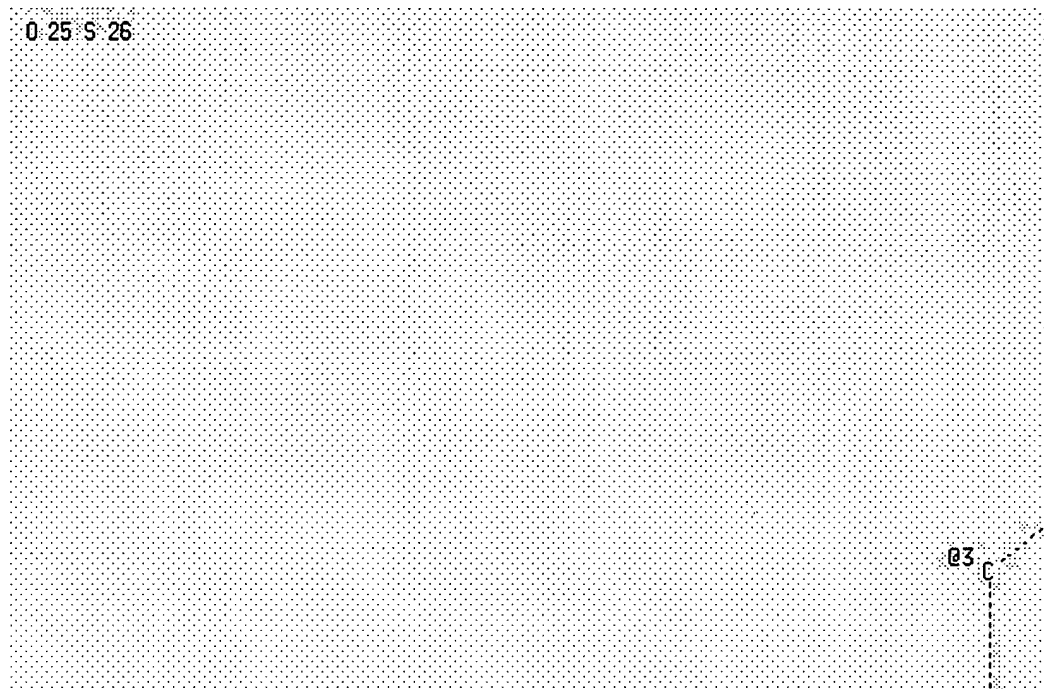
=> d 1.3

L3 HAS NO ANSWERS

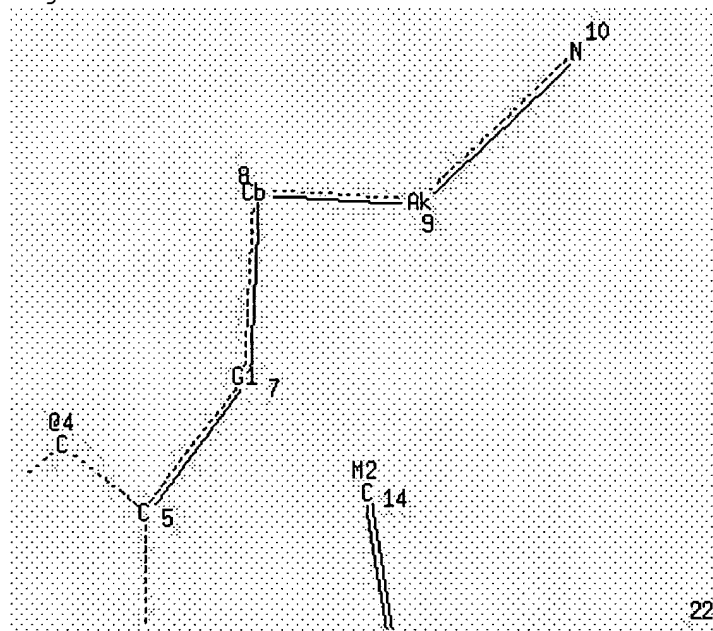
L1

STR

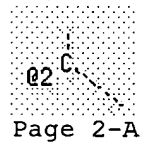
0 25 S 26



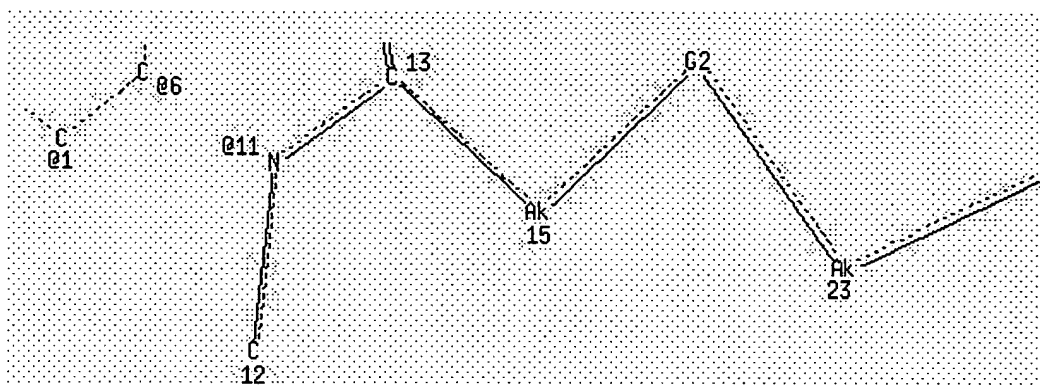
Page 1-A



Page 1-B



Page 2-A



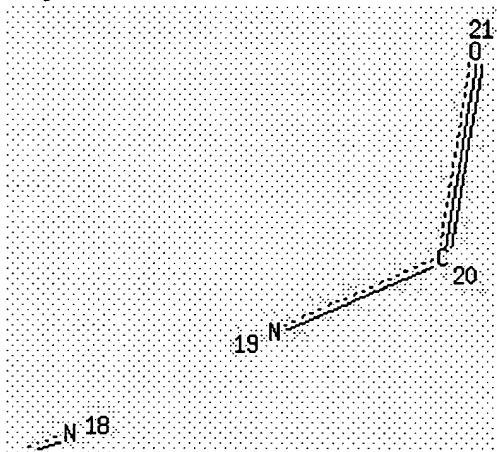
Page 2-B



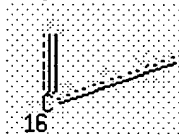
Page 2-C



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Page 3-B



Page 4-A



Page 4-B

```

VAR G1=25/26
VAR G2=16-15 16-23/19-15 19-23
VPA 11-1/2/3/4/6 S
NODE ATTRIBUTES:
HCOUNT IS M2 AT 14
NSPEC IS R AT 1
NSPEC IS R AT 2
NSPEC IS R AT 3

```

```

NSPEC  IS R      AT   4
NSPEC  IS R      AT   5
NSPEC  IS R      AT   6
NSPEC  IS C      AT   7
NSPEC  IS C      AT   8
NSPEC  IS C      AT   9
NSPEC  IS RC     AT  10
NSPEC  IS C      AT  11
NSPEC  IS RC     AT  12
NSPEC  IS C      AT  13
NSPEC  IS C      AT  14
NSPEC  IS C      AT  15
NSPEC  IS C      AT  16
NSPEC  IS C      AT  17
NSPEC  IS C      AT  18
NSPEC  IS C      AT  19
NSPEC  IS C      AT  20
NSPEC  IS C      AT  21
NSPEC  IS C      AT  22
NSPEC  IS C      AT  23
NSPEC  IS C      AT  24
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT   9 10 11 12 13 14 15 16 17 18 19 20 21 23 25 26
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L3 0 SEA FILE=REGISTRY SSS FUL L1

=> s 13

SAMPLE SEARCH INITIATED 15:35:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6169 TO ITERATE

32.4% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 118671 TO 128089

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L1

=> s 13 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 166.50 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 15:35:08 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 122511 TO ITERATE

100.0% PROCESSED 122511 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.02

L5 0 SEA SSS FUL L1

=>

Uploading structure

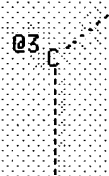
L6 STRUCTURE UPLOADED

=> d 16

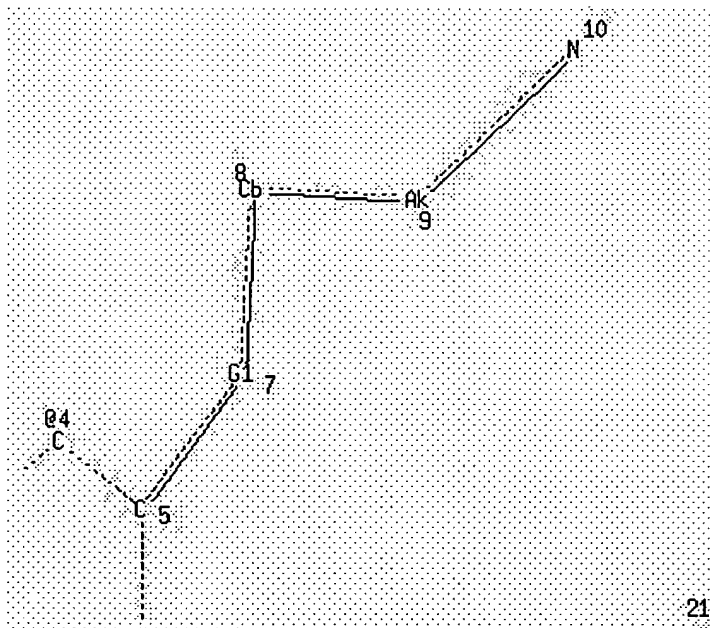
L6 HAS NO ANSWERS

L6 STR

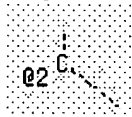
0 24 S 25



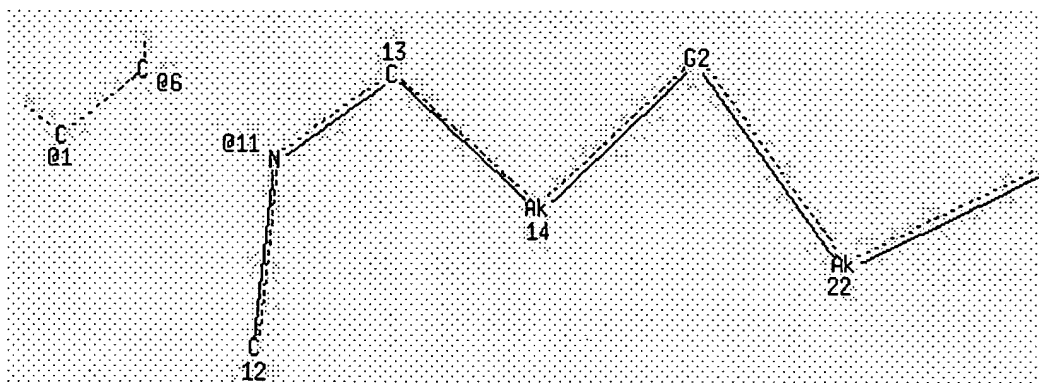
Page 1-A



Page 1-B



Page 2-A



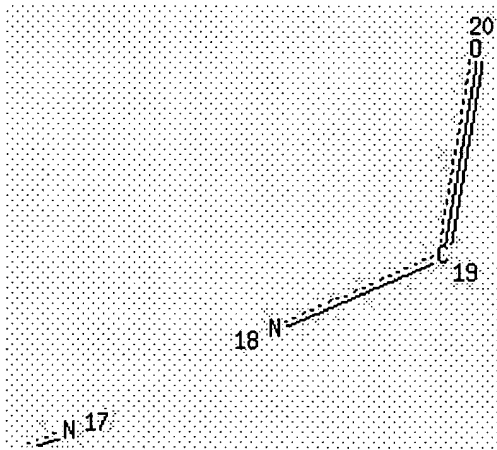
Page 2-B

Cu 23

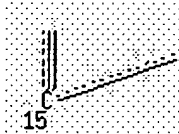
Page 2-C



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Page 3-B



Page 4-A



Page 4-B

VAR G1=24/25

VAR G2=15-14 15-22/18-14 18-22

VPA 11-1/2/3/4/6 S

NODE ATTRIBUTES:

NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AT	4

```

NSPEC  IS R      AT   5
NSPEC  IS R      AT   6
NSPEC  IS C      AT   7
NSPEC  IS C      AT   8
NSPEC  IS C      AT   9
NSPEC  IS RC     AT  10
NSPEC  IS C      AT  11
NSPEC  IS RC     AT  12
NSPEC  IS C      AT  13
NSPEC  IS C      AT  14
NSPEC  IS C      AT  15
NSPEC  IS C      AT  16
NSPEC  IS C      AT  17
NSPEC  IS C      AT  18
NSPEC  IS C      AT  19
NSPEC  IS C      AT  20
NSPEC  IS C      AT  21
NSPEC  IS C      AT  22
NSPEC  IS C      AT  23
DEFAULT MLEVEL IS ATOM
MLEVEL  IS CLASS AT   9 10 11 12 13 14 15 16 17 18 19 20 22 24 25
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

=> s 16

SAMPLE SEARCH INITIATED 15:37:10 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 88701 TO ITERATE

2.3% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS: 1756336 TO 1791704

PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

=>

Uploading structure

L8 STRUCTURE UPLOADED

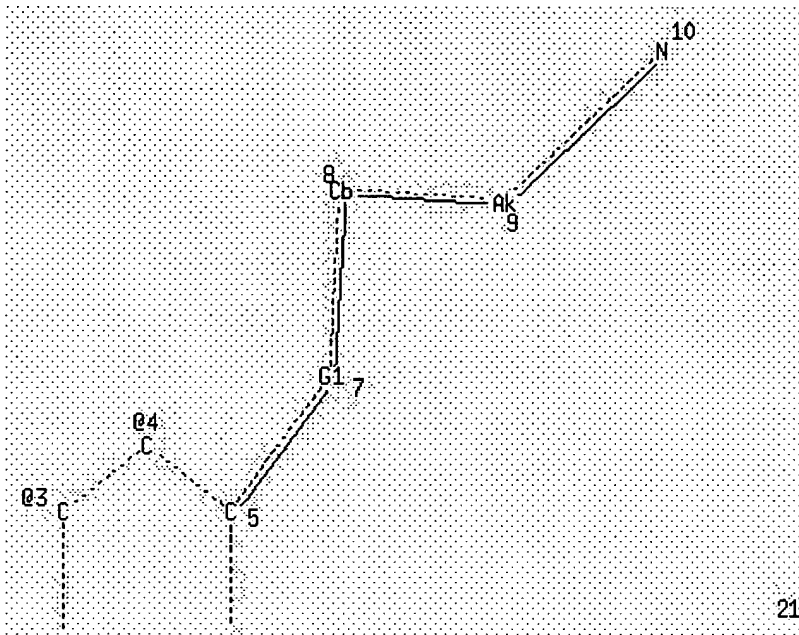
=> d 18

L8 HAS NO ANSWERS

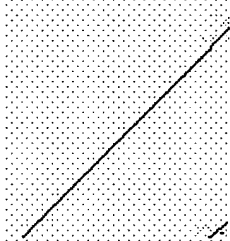
L8 STR

0 25 S 26

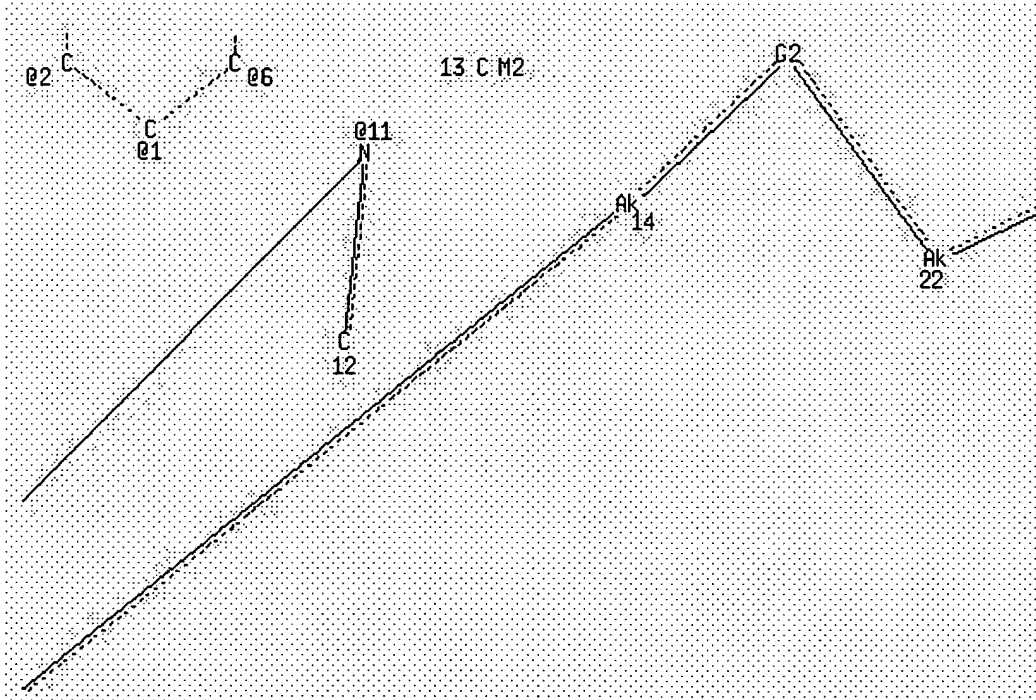
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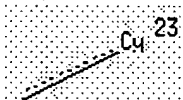
Page 1-B



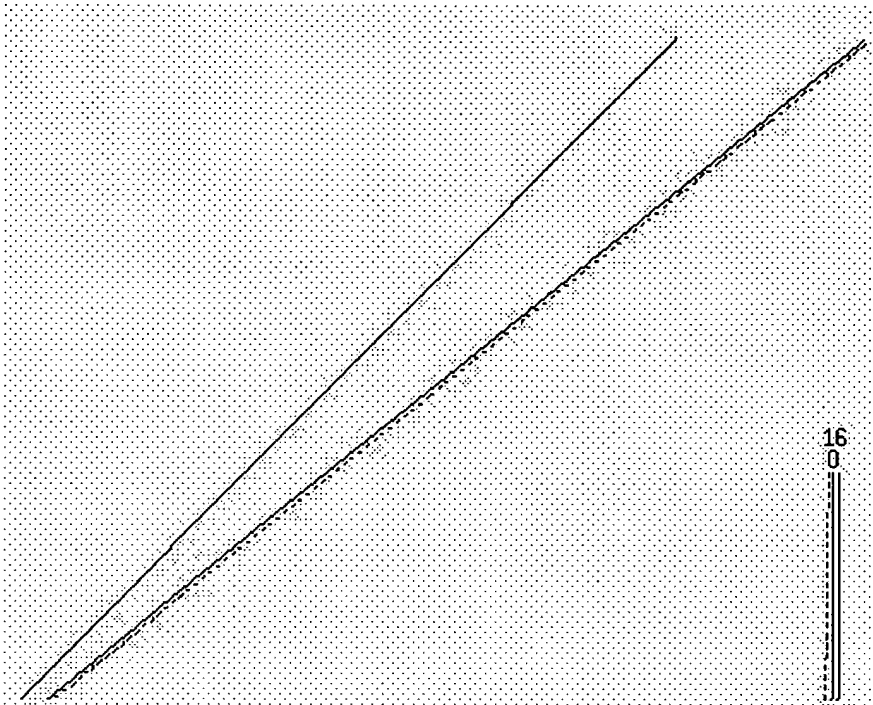
Page 2-A



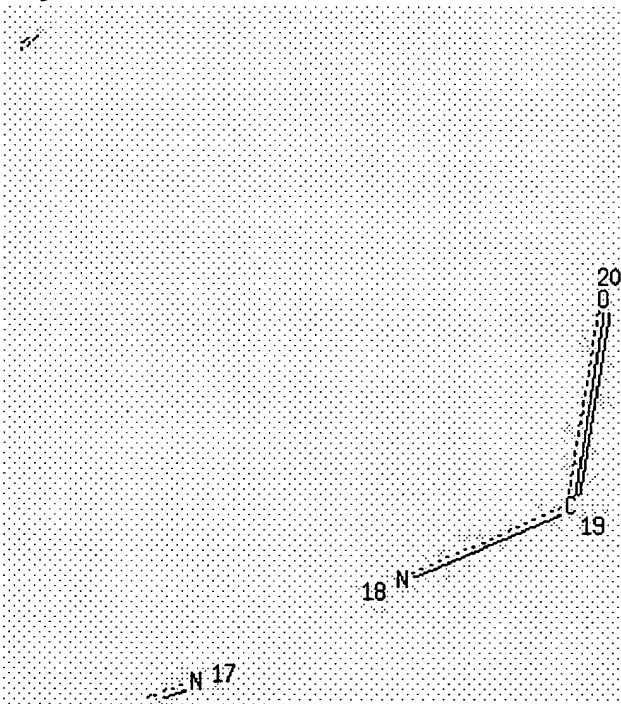
Page 2-B



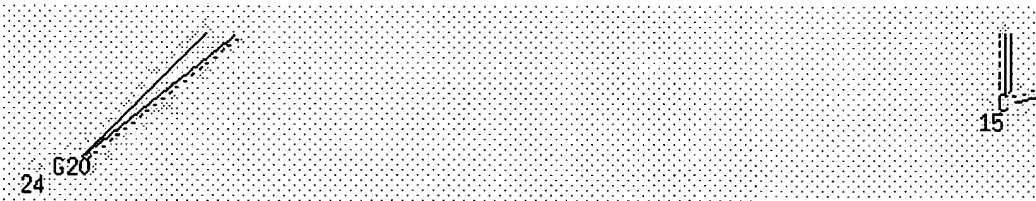
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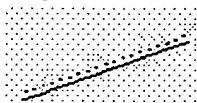
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VAR G1=25/26

VAR G2=15-14 15-22/18-14 18-22

REP G20=(1-2) 13-11 13-14

VPA 11-1/2/3/4/6 S

NODE ATTRIBUTES:

HCOUNT	IS M2	AT	13
NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS C	AT	8
NSPEC	IS C	AT	9
NSPEC	IS RC	AT	10
NSPEC	IS C	AT	11
NSPEC	IS RC	AT	12
NSPEC	IS C	AT	13
NSPEC	IS C	AT	14
NSPEC	IS C	AT	15
NSPEC	IS C	AT	16
NSPEC	IS C	AT	17
NSPEC	IS C	AT	18
NSPEC	IS C	AT	19
NSPEC	IS C	AT	20
NSPEC	IS C	AT	21
NSPEC	IS C	AT	22
NSPEC	IS C	AT	23
NSPEC	IS C	AT	24

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 9 10 11 12 13 14 15 16 17 18 19 20 22 25 26

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

=> π 1.8

SAMPLE SEARCH INITIATED 15:38:14 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 86224 TO ITERATE

2.3% PROCESSED 2000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS: 1707039 TO 1741921

PROJECTED ANSWERS: 0 TO 0

L9

0 SEA SSS SAM L8

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

341.36

341.57

FILE 'HCAPLUS' ENTERED AT 15:39:07 ON 17 MAY 2006
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FILE COVERS 1907 - 17 May 2006 VOL 144 ISS 21
FILE LAST UPDATED: 16 May 2006 (20060516/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> $ ol, s?/au and suzuki, n?/au and aso, k?/au and banno, y?/au
      1147 OL, S?/AU
      7760 SUZUKI, N?/AU
      625 ASO, K?/AU
      311 BANNO, Y?/AU
L10      0 OL, S?/AU AND SUZUKI, N?/AU AND ASO, K?/AU AND BANNO, Y?/AU

=>
```